

PATENT APPLICATION

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q78963

Hiroto Sasaki, et al.

Allowed: January 13, 2009

Appln. No.: 10/743,437

Group Art Unit: 1792

Confirmation No.: 8137

Examiner: James LIN

Filed: December 23, 2003

For: METHOD FOR PRODUCING LIGHT-TRANSMITTING ELECTROMAGNETIC  
WAVE-SHIELDING FILM, LIGHT-TRANSMITTING ELECTROMAGNETIC WAVE-  
SHIELDING FILM AND PLASMA DISPLAY PANEL USING THE SHIELDING FILM

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP ISSUE FEE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed after either a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), but before payment of the Issue Fee, and therefore the fee of \$180.00 under 37 C.F.R. § 1.17(p) is being remitted, and a Statement Under 37 C.F.R. § 1.97(e) is submitted herewith.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits herewith English language abstracts and partial translations for JP 2002-323861 and JP 2001-281822. JP 2002-323861 and JP 2001-281822. were first cited by the Japanese Patent Office on January 6, 2009.

Applicant provides the following comments.

JP 2001-281822 discloses that the specific gravity of gelatin that is typically used in the photographic field is 1.34 g/ml. In the Rule 114(c) Response filed May 22, 2008, Applicant submitted that the Ag/binder volume ratio of Takaoka is about 1/6 on the assumption that the specific gravity of gelatin is 1 g/cm<sup>3</sup>. The density of gelatin varies depending on its molecular weight, production method, environmental conditions and other factors. However, even when the high value of 1.34 g/ml disclosed by JP 2001-281822 is used, the Ag/binder volume ratio of Takaoka is calculated to be about 1/4.46, which is still significantly lower, and fails to suggest, the claimed Ag/binder volume ratio of 1/1. Applicant provides the following calculations for the Examiner, which are the same as the calculations in the above-referenced Rule 114(c) response, except for the specific gravity of the binder.

(1) Convert AgCl / binder weight ratio to Ag / binder weight ratio:

Molecular weight of AgCl is 143.32

Atomic weight of Ag is 107.868

$(70 \times (\text{atomic weight of Ag} / \text{molecular weight of AgCl})) / 30$

$(70 \times (107.868 / 143.32)) / 30 = 52.8 / 30$

(2) Convert Ag / binder weight ratio to Ag / binder volume ratio:

Specific gravity of Ag is 10.5 g/cm<sup>3</sup>

Specific gravity of binder is approximately 1.34 g/cm<sup>3</sup>

$52.8 / (\text{specific gravity of Ag}) = \text{amount of Ag by volume}$

$30 / (\text{specific gravity of binder}) = \text{amount of binder by volume}$

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98  
U.S. Appln. No.: 10/743,437

Attorney Docket No.: Q78963

$$(52.8 / 10.5 \text{ g/cm}^3) / (30 / 1.34 \text{ g/cm}^3) = 1 / 4.46 \text{ (Ag / binder ratio of Takaoka)}$$

As stated above, the 1/4.46 Ag/binder volume ratio of Takaoka is well outside of the claimed binder ratio.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

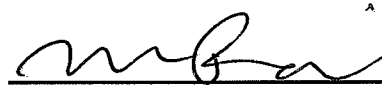
SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: April 6, 2009



Michael G. Raucci  
Registration No. 61,444